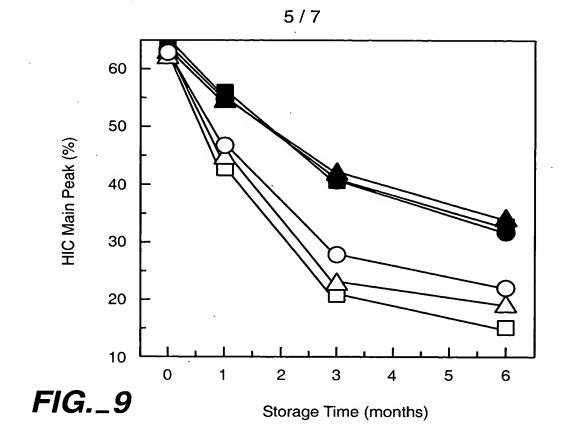


 $\vdash$ 



## Anti-IgE Antibodies: Light Chain (VL and CL Domains)

	30D.	
80 SGTDFTLTIS SGTDFTLTIS SGTDFTLTIS	90 100 C <sub>L</sub> starts SLQPEDFATY YC[ <u>QOSHEDPY</u> T]FGQGTKVEI KRT VAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD SLQPEDFATY YC[ <u>QOSHEDPY</u> T]FGQGTKVEI KRT VAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD RHEPEDFAMY YC <u>QOSDSWPM</u> T FGQGTKVEI KRT VAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD	
70 GVPSRFSGSG GVPSRFSGSG GIPSRFSGSG	REAKVQWKVDN REAKVQWKVDN REAKVQWKVDN	
30 40 50 60 70 80 ITC [RASQSVD YDGDSYMN] WY QQKPGKAPKL LIY [AASYLES] GVPSRFSGSG SGTDFTLTIS ITC [RASKRVD GEGDSYIM] WY QQKPGKAPKL LIY [AASYLES] GVPSRFSGSG SGTDFTLTIS LSC RASQSIG [TNIH] WY QQKPGQAFRL LIK [YASESIS] GIPSRFSGSG SGTDFTLTIS	ASVVCLLNNFYF ASVVCLLNNFYF ASVVCLLNNFYF	
50 QQKPGKAPKL QQKPGKAPKL QQKPGQAFRL	FPPSDEQLKSGT FPPSDEQLKSGT FPPSDEQLKSGT	S
40  YDGDSYMN] WY GEGDSYMN] WY TNIH] WY	C <sub>L</sub> starts RT VAAPSVFIF RT VAAPSVFIF RT VAAPSVFIF	SSPVTKSFNRGI SSPVTKSFNRGI SSPVTKSFNRGI
30 ITC (RASOSVD ITC (RASKRVD LSC RASOSIG	110 ]FGQGTKVEI K ]FGQGTKVEI K FGQGTKVEI K	SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC SKDSTYSLSSTLTLSKADYEKHKVYACEVTHOGLSSPVTKSFNRGEC
	100 [QOSHEDPY T	LTLSKADYEKHI LTLSKADYEKHI LTLSKADYEKHI
10 DIQLTQSPSS LSASVGDRVT DIQLTQSPSS LSASVGDRVT DILLTQSPGT LSLSEPGERAT	90 100 SLQPEDFATY YC[ <u>QOSHEDPY T</u> SLQPEDFATY YC[ <u>QOSHEDPY T</u> RIEPEDFAMY YC <u>QOSDSWPM T</u>	SKDSTYSLSST SKDSTYSLSST SKDSTYSLSST
E25 E26 Hu-901	E25 E26 Hu-901	E25 E26 Hu-901

## FIG.\_ 10A

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Chain (VH and CH Domains)
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Anti-IgE Antibodies:
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90	LQMNSLRAED	LOMNSLRAED	MELSSLRSED		LQSSGLYSLS	LQSSGLYSLS	LQSSGLYSLS		WYVDGVE	WYVDGVE	WYVDGVE	DIAVEWE	DIAVEWE	OT AVEWE
80	SRDDSKNTFY	SRDDSKNTFY	Taptistivitax [		LTSGVHTFPAV	LTSGVHTFPAV	LTSGVHTFPAV		VSHEDPEVKFN	VSHEDPEVKFN	VSHEDPEVKFN	LTCLVKGFYPS	LTCLVKGFYPSI	VHNAKTK PREEOYNSTYRVVSVL TVLHODWLNGKEYKCKVSNKAL PA PI EKTI SKAKGOPREPOVYTL PPSRDFI "TKNOVSI "TCI "VKGFYPSDI AVFWF
70	NPSVKG]RITI	NPSVKG]RITI	NEKFKA RATE		PEPVTVSWNSGA	PEPVTVSWNSGA	PEPVTVSWNSGA		SRTPEVTCVVVD	SRTPEVTCVVVD	SRTREVICVVVD	PSREEMTKNQVS	PSREEMTKNQVS	PSRDEL, TKNOVS
а 60	[SITYDGSTNY	[SITYDGSTNY	SISPGTETINY		TAALGCLVKDYF	FAALGCLVKDYF	PAALGCLVKDYF		JFPPKPKDTLMI	FPPKPKDTLMI	JEPPKPKDTLMI	ЗОРКЕРОVУТЬР	SQPREPQVYTLP	'd'TTVVVT.p
50 a	APGKGLEWVA	APGKGLEWVA	APGHGLEWVG		LAPSSKSTSGG	LAPSSKSTSGG	LAPSSKSTSGG		APELLGGPSVFI	APELLGGPSVFI	APELLGGPSVFI	APIEKTISKAKO	APIEKTISKAKO	APTEKTTSKAKO
40	S[GYSWNW] IRQ APGKGLEWVA [SITYDGSTNY NPSVKG]RITI SRDDSKNTFY LQMNSLRAED	S[GYSWNW] IRQ APGKGLEWVA [SITYDGSTNY NPSVKG]RITI SRDDSKNTFY LQMNSLRAED	S MYMLEW VRQ APGEGLEWVG EISPGTFTTINY NEKEKA RATE TAPTISTINTAY MELSSLRSED	120 C <sub>H</sub> starts	S ASTKGPSVF	WGQGTLVTVSS ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSS	S ASTKGPSVF		VUTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNMYVDGVE	VVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVE	VVTVPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVE	VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWE	VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWE	F.YKCKVSNKAL,P
30				.,	WGQGTLVTVS	WGQGTLVTVS	₹ MGQGTLVTVS		SNTKVDKKVEPK	SNTKVDKKVEPK	SNTKVDKKVEPK	JTVLHQDWLNGK	JTVIHQDWLNGK	TTVT.HODWI,NGK
20	EVQLVESGGG LVQPGGSLRL SCAVSGYSIT	EVQLVESGGG LVQPGGSLRL SCAVSGYSIT	QVQLVQSGAB VKKPGASVKV SCKASGYTF-	110ab	HYFGHWHFAV]	HYFGHWHFAV	HESGSNYDYFD		QTYICNVNHKP	QTYICNVNHKP!	QTYICNVNHKP!	QYNSTYRVVSVI	QYNSTYRVVSVI	OYNSTYRVVSVI
10	EVQLVESGGG	EVQLVESGGG	QVQLVQSGAE	100	TAVYYCAR[GS HYFGHWHFAV] WGQGTLVTVSS ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSS	TAVYYCAR [GS HYFGHWHFAV]	TAVYYCAR <u>ES HESGSNYDYFDY</u> WGQGTLVTVSS ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSS		VVTVPSSSLGT	VVTVPSSSLGT	WTVPSSSLGT	VHNAKTKPREE	VHNAKTKPREE	VHNAKTKPREE
	E25	E26	Hu-901		E25	E26	Hu-901		E25	E26	Hu-901	E25	E26	Hu-901

FIG.\_ 10B

SNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK SNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK SNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

Hu-901

E25 E26